

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/007046

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/47 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p><b>DATABASE EMBL 'Online!</b> 1 March 2002 (2002-03-01), "MGC16733 protein" XP002302983 retrieved from EBI Database accession no. Q8WW02 the whole document</p> <p>-----</p> <p><b>DATABASE EMBL 'Online!</b> 1 October 2002 (2002-10-01), "Hypothetical protein" XP002302984 retrieved from EBI Database accession no. Q8ND65 the whole document</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1, 4-6
X		1, 4-6

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

28 October 2004

Date of mailing of the International search report

07.03.05

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! 1 October 2002 (2002-10-01), "Hypothetical protein" XP002302985 retrieved from EBI Database accession no. Q8N2D0 the whole document ----- X DATABASE EMBL 'Online! 1 October 2002 (2002-10-01), "Hypothetical protein" XP002302986 retrieved from EBI Database accession no. Q8N770 the whole document ----- X DATABASE EMBL 'Online! 1 October 2002 (2002-10-01), "Hypothetical protein" XP002302987 retrieved from EBI Database accession no. Q8ND63 the whole document ----- X DATABASE EMBL 1 October 2002 (2002-10-01), "Hypothetical protein" XP002302988 retrieved from EBI Database accession no. Q8NA79 the whole document ----- X DATABASE EMBL 'Online! 1 June 2003 (2003-06-01), "492151COR1K protein" XP002302989 retrieved from EBI Database accession no. Q80X57 the whole document ----- X DATABASE EMBL 'Online! 1 October 2000 (2000-10-01), "Methyl-accepting chemotaxis protein" XP002302990 retrieved from EBI Database accession no. Q9KLT3 the whole document ----- A WO 02/38602 A (BAUGHN MARIAH R; INCYTE GENOMICS INC ; YAO MONIQUE G (US); YUE HENRY () 16 May 2002 (2002-05-16) ----- A US 2002/077287 A1 (GREENE JOHN M ET AL) 20 June 2002 (2002-06-20) -----	1,4-6 1,4-6 1,4-6 1,4-6 1,4-6 1,4-6 1,4-6 1,4-6 1,4-6 1,4-6

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 22 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-24 (all partially)

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

**Invention 1: Claims 1-24 (all partially)**

An isolated polynucleotide comprising a sequence encoding an amino acid sequence as in SEQ ID NO:1; fragments of at least 15 contiguous nucleotides ; sequences complementary thereof; an isolated polypeptide comprising at least 6 contiguous amino acids of a protein sequence as in SEQ ID NO:1; an antibody thereof; a method using said antibody; a method comprising detecting or quantifying the level of said polypeptide

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**Inventions 2-106: Claims 1-24 (all partially)**

The same as Invention 1 but relating to a nucleic acid with SEQ ID NO:2-106, respectively, as listed on Table 1 of the present application.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007046

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 0238602	A 16-05-2002	AU CA EP JP WO US	3399402 A 2428140 A1 1341812 A2 2004534506 T 0238602 A2 2004082508 A1	21-05-2002 16-05-2002 10-09-2003 18-11-2004 16-05-2002 29-04-2004
		AU CN EP WO	1452102 A 1475047 T 1334559 A2 0241498 A2	27-05-2002 11-02-2004 13-08-2003 23-05-2002
US 2002077287	A1 20-06-2002	US US US	6448230 B1 2003225009 A1 2002172994 A1	10-09-2002 04-12-2003 21-11-2002